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Computer-assisted Knee Replacement Apparatus and Method

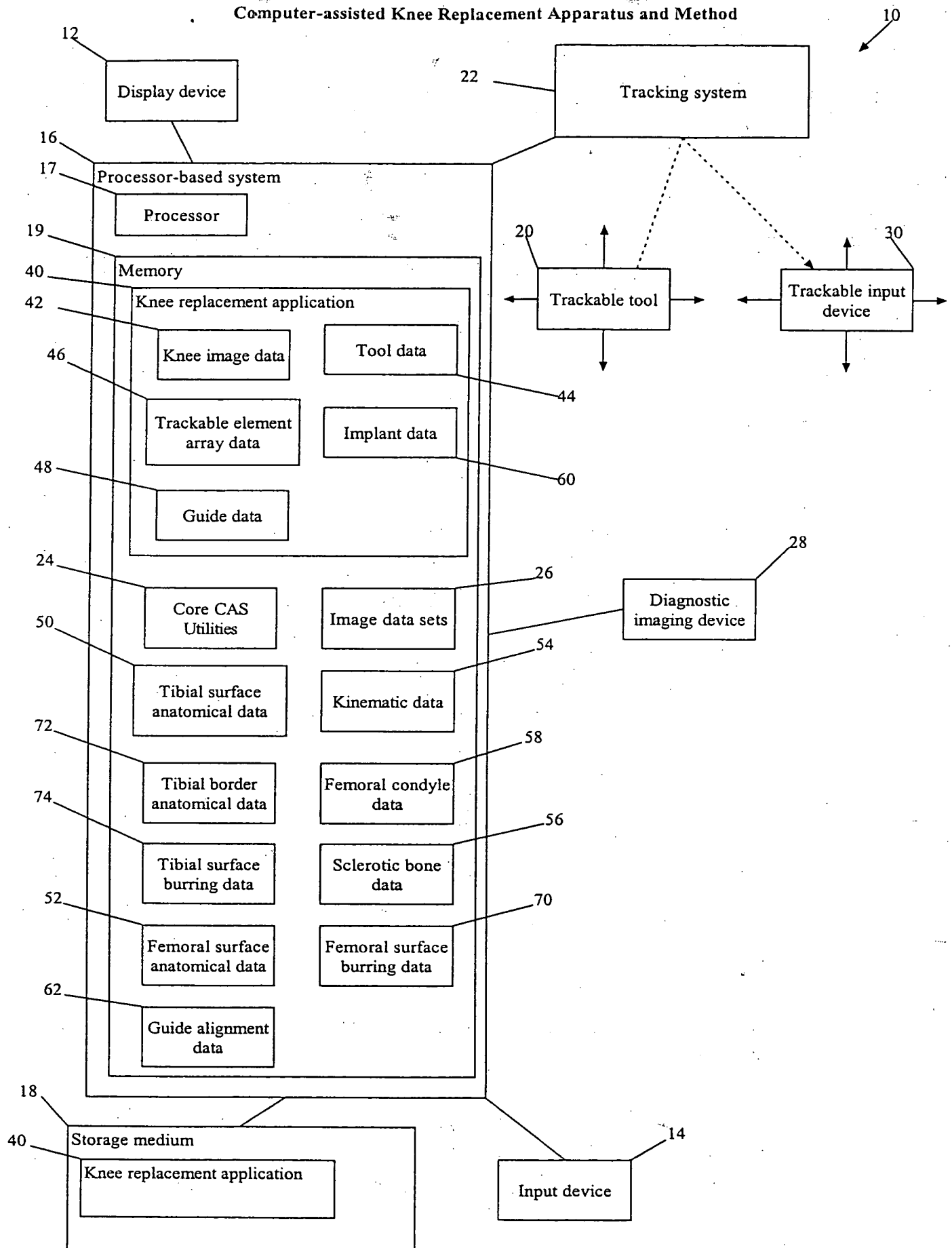


Figure 1

Computer-assisted Knee Replacement Apparatus and Method

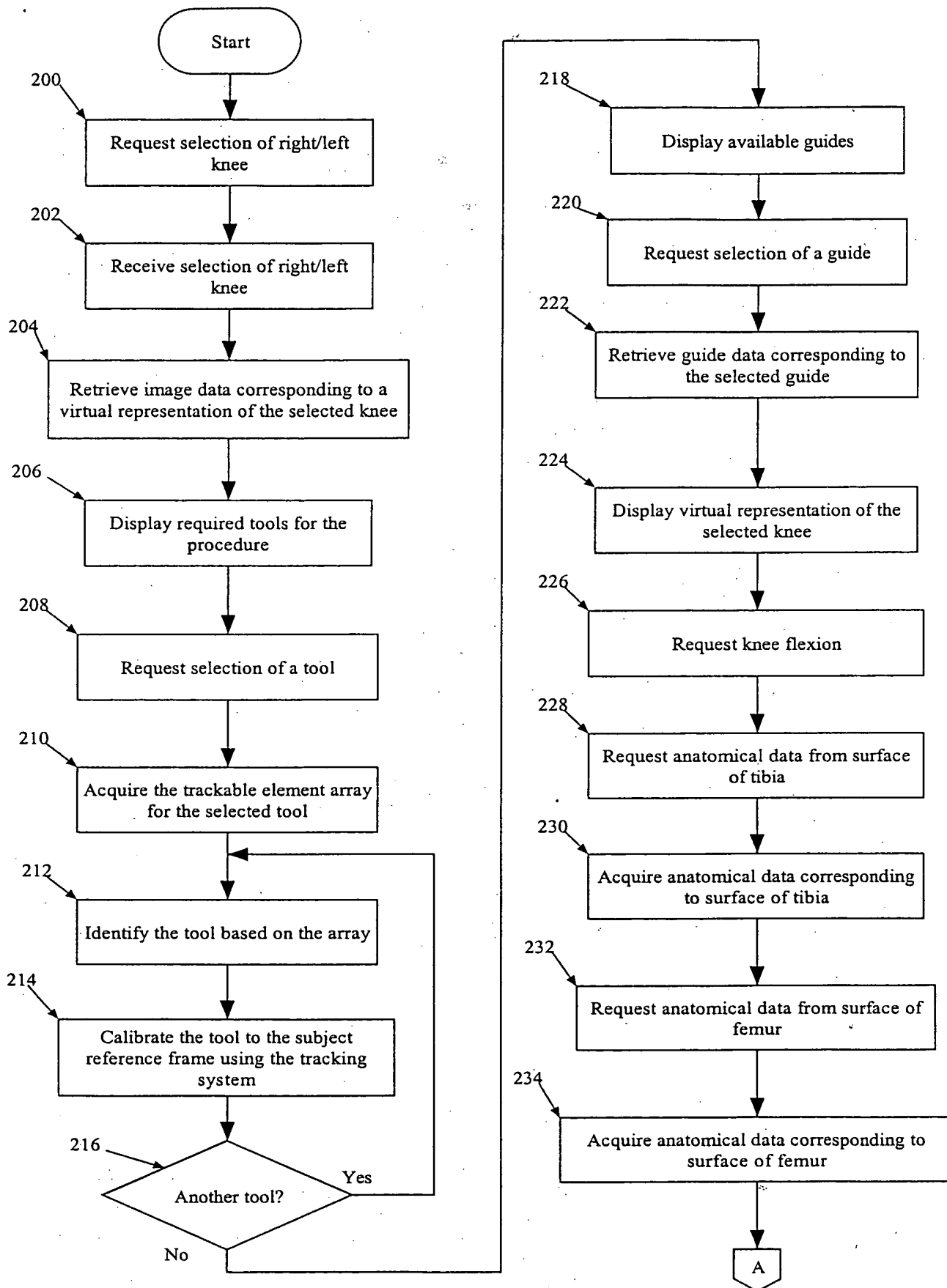


Figure 2

Computer-assisted Knee Replacement Apparatus and Method

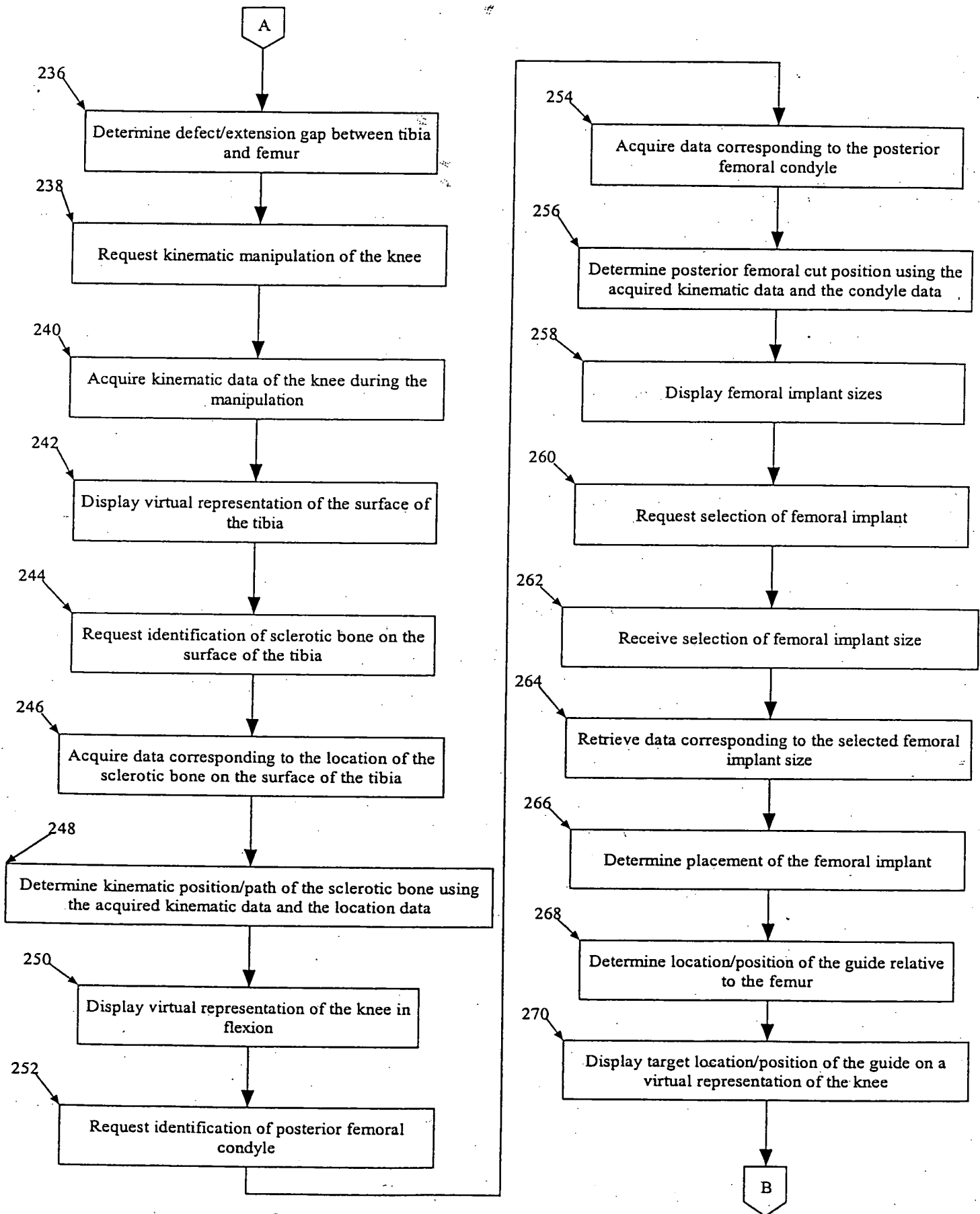


Figure 2
(continued)

Computer-assisted Knee Replacement Apparatus and Method

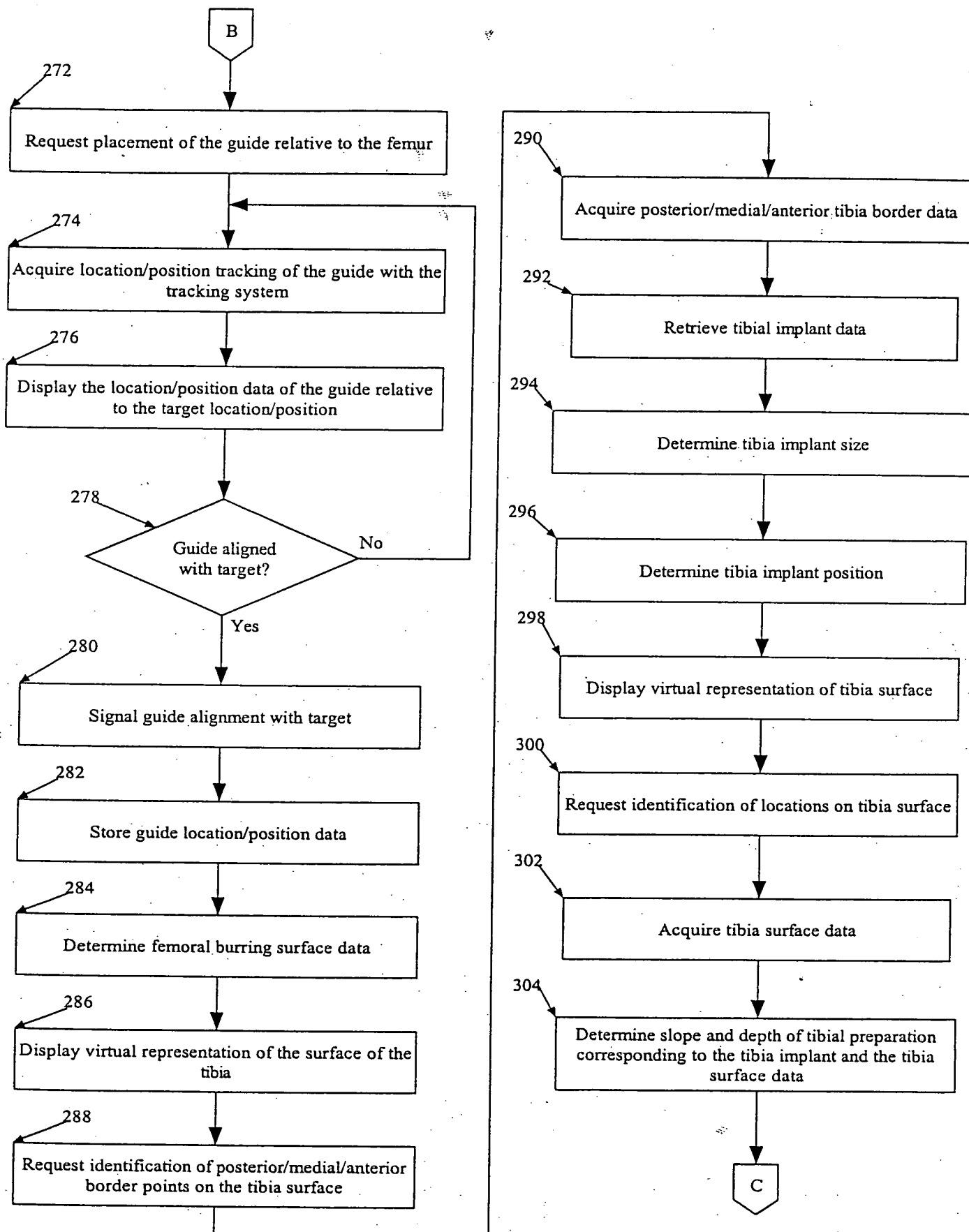


Figure 2

(continued)

Computer-assisted Knee Replacement Apparatus and Method

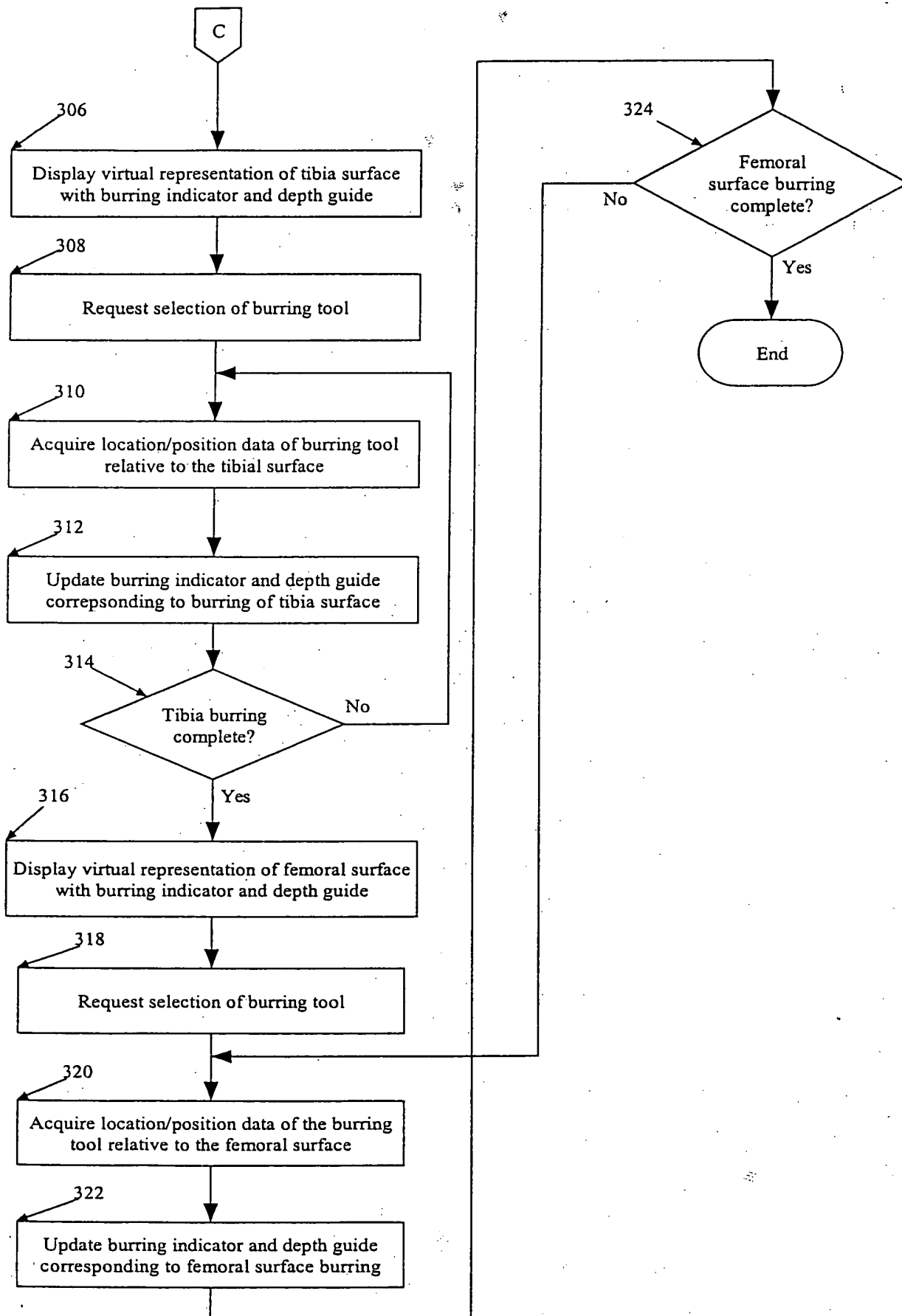


Figure 2
(continued)

ACUMEN

surgical navigation system

Pick

Left

or

Right

IBT
A MANIPULATOR SYSTEM
SpineLink II

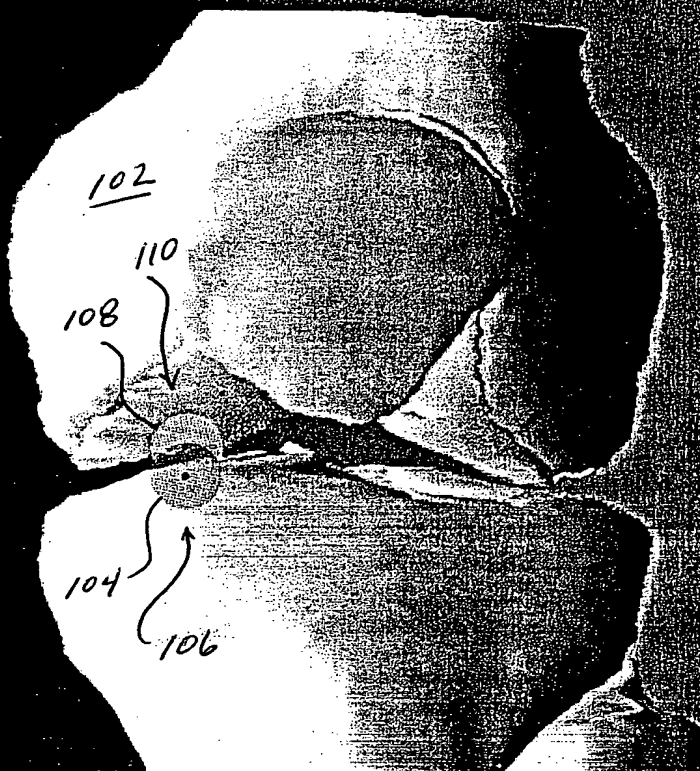
Choose Knee

100

12

repiocci II
LINKED-ARM PROGRAM

Pick Point



With knee in flexion, touch a landmark
with probe and run hand in front of tool to select.

12

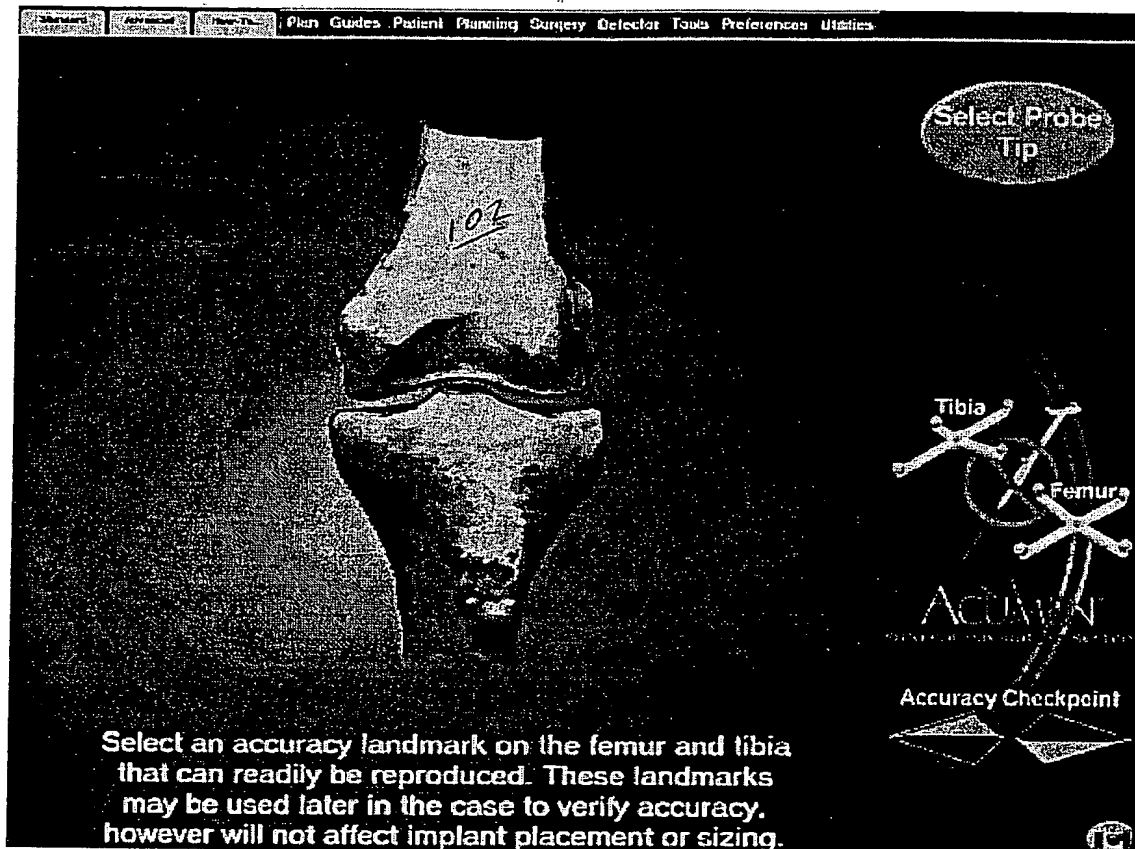
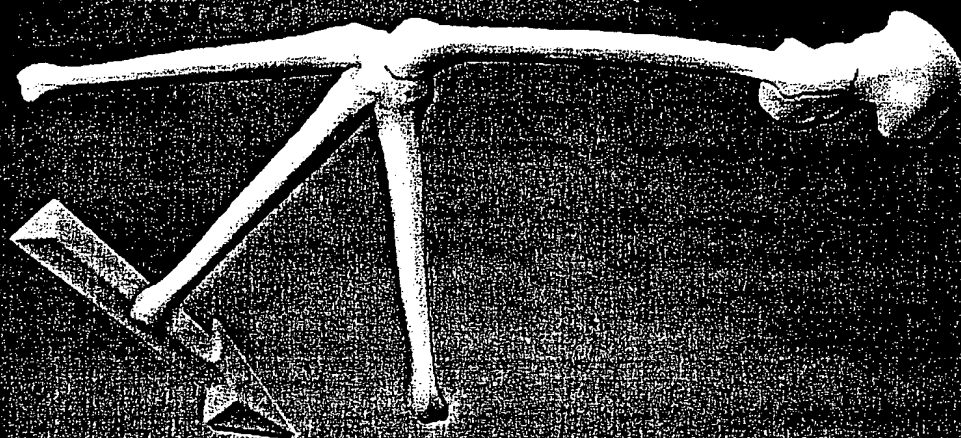


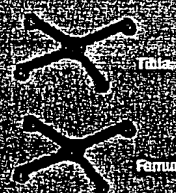
Figure 4B



While the tibia is moving from extended to contracted, the computer is scribing the position for the keel of the femoral component.



Angle Swept



LEBII
Surgical Navigation
SpineLink II

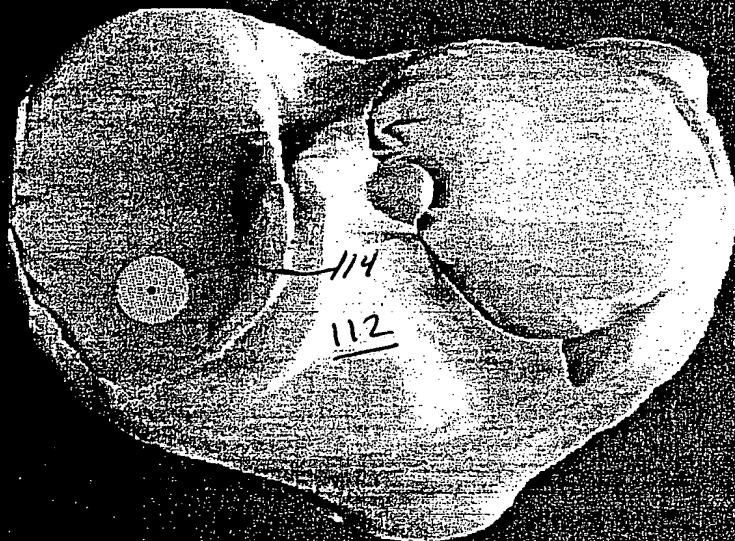
Keel Scribing

12

4204.31-1
Computer-assisted Knee Replacement Apparatus and Method
FIG. 5

repiac II
LINK-CHART PROGRAM

PickPoint



**With knee in flexion, touch a landmark
with probe and run hand in front of tool to select.**

12

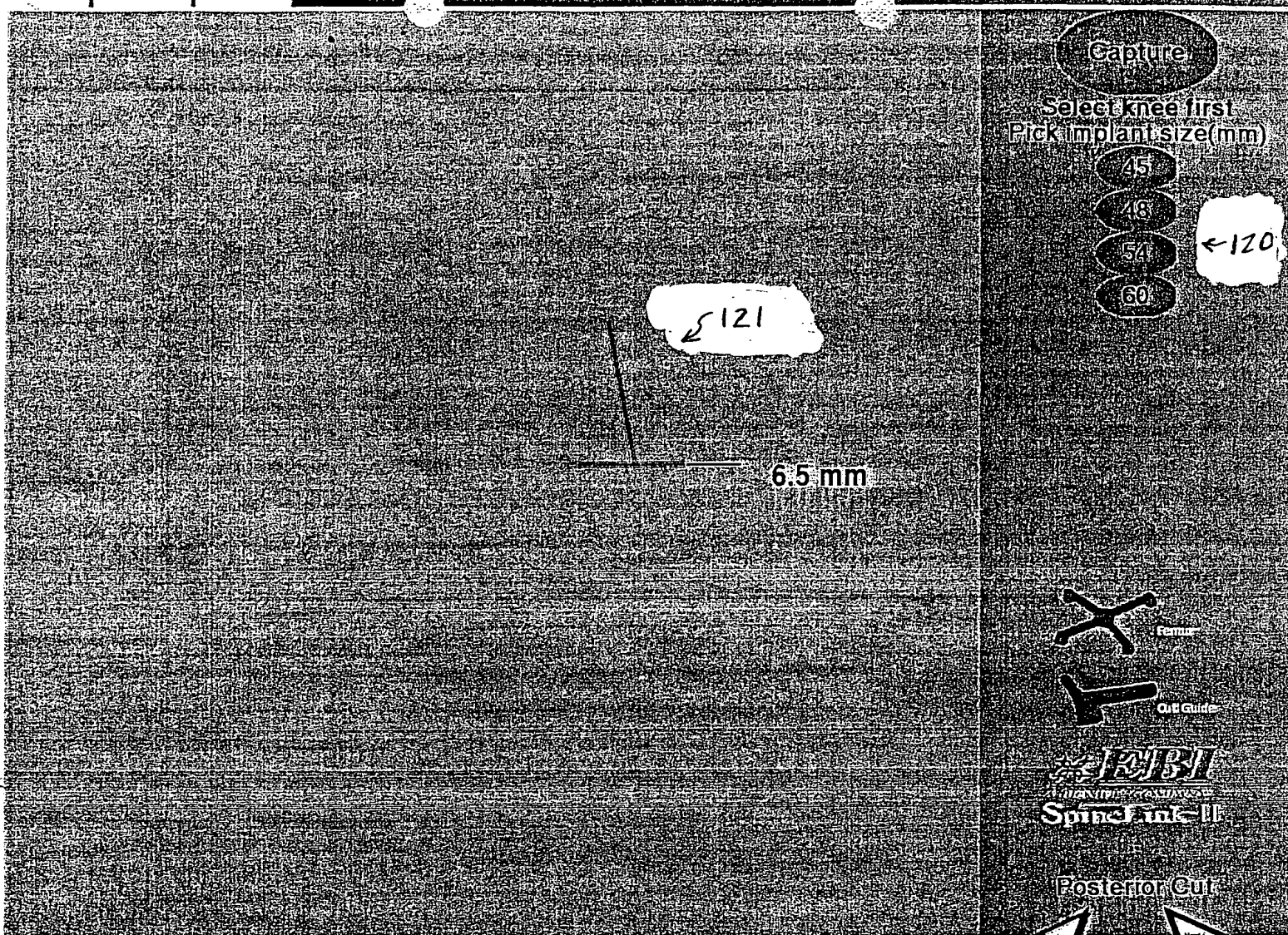
replac II
LINKS & MARK PROGRAM

Pick Point



With knee in flexion, touch a landmark
with probe and run hand in front of tool to select.

12

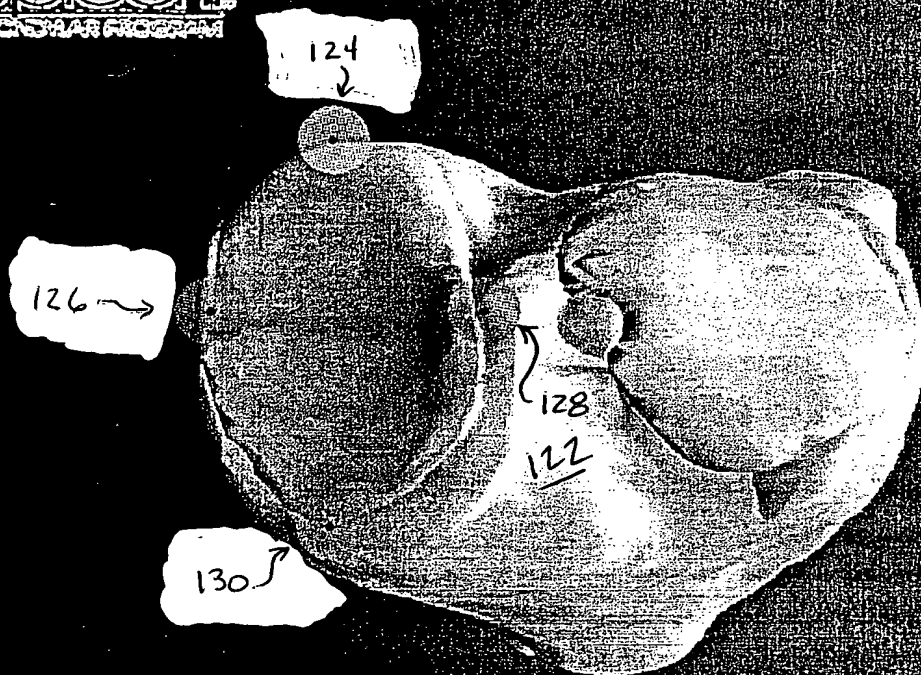


12

4204.31-1
Computer-assisted Knee Replacement Apparatus and Method
FIG. 8

reloci II
LINKAGE PROGRAM

PickPoint



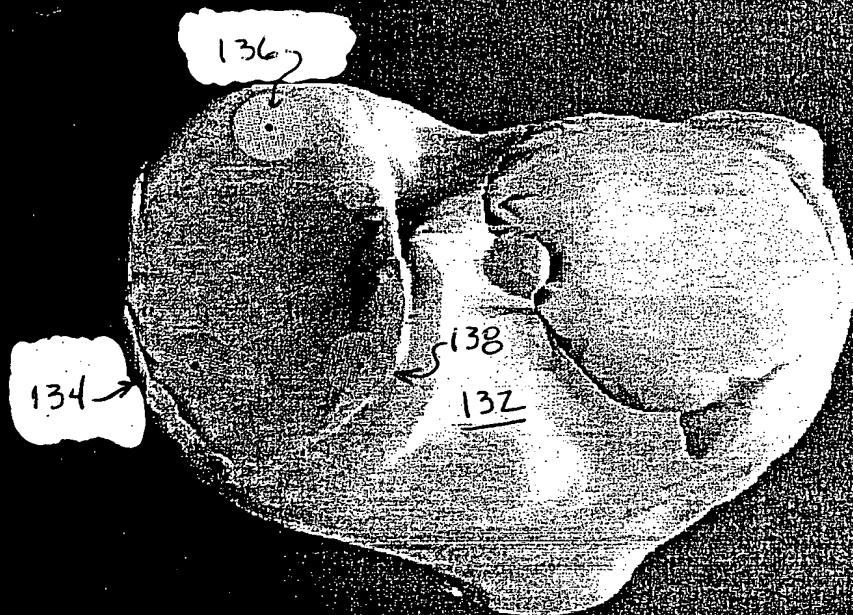
With knee in flexion, touch a landmark
with probe and run hand in front of tool to select.

12

reloc II
UNION STAR PROGRAM

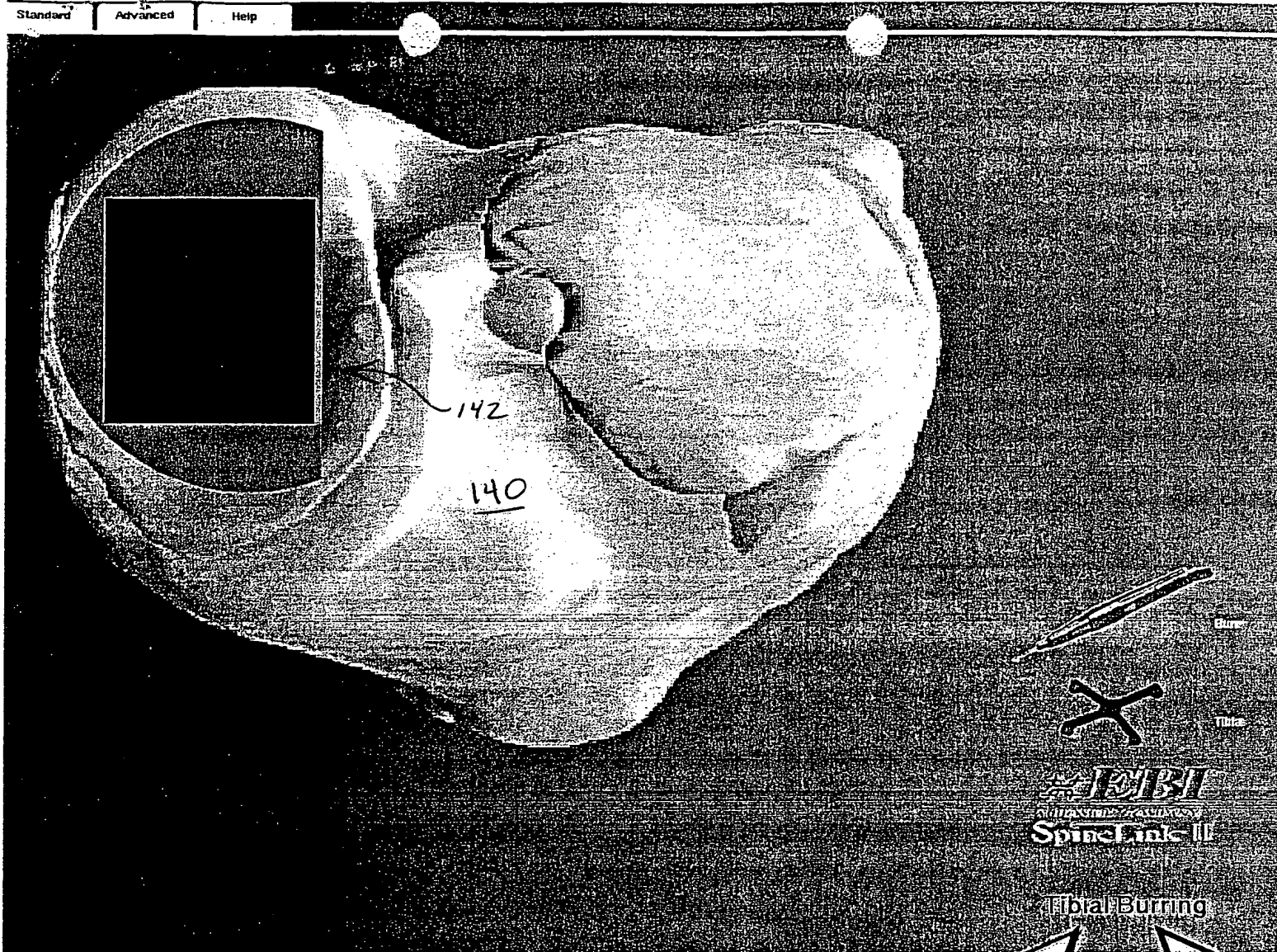
Pick Point

Tibial Implant Size
Not Set



**With knee in flexion, touch a landmark
with probe and run hand in front of tool to select.**

12



12

4204.31-1
Computer-assisted Knee Replacement Apparatus and Method
FIG. 11